SEQUENCE LISTING

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      Elghanian, Robert
      Taton, Thomas A.

<120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
      AND USES THEREFOR

<130> 4149-1-1-1-1

<140> Not Yet Assigned
<141> 2000-06-26

<150> 60/031,809
<151> 1996-07-29

<150> PCT/US97/12783
<151> 1997-07-21

<150> 09/240,755
<151> 1999-01-29

<150> 09/344,667
<151> 1999-06-25

<150> 60/200,161
<151> 2000-04-26

<160> 64

<170> PatentIn Ver. 2.1

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<400> 2
atggcaacta tacgcgctag                                           20


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ccttgagatt tccctc                                               16


<210> 4
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gagggaaatc tcaagg                                               16


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aacttgcgct aatggcga                                              18


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<400> 6
aagttgcgct ttacggctaa tggcga                                     26


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tctccttccc ttttc                                                 15


<210> 8
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<400> 8
gaaaagggaa ggaga                                                 15


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cttttcccttt cctct                                                    15


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aaacgactct agcgcgtata gttgccat                                       28


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<400> 12
cctatcgacc atgct                                                     15

<210> 13
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agcatggtcg ataggaaacg actctagcgc                                    30


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gcgctagagt cgttt                                                    15


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<210> 16
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<400> 16
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<210> 20
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<400> 20
cgcattcagg at                                                    12


<210> 21
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<400> 21
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<210> 25
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<400> 26
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<400> 27

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<400> 28
taggacttac gc                                                         12


<210> 29
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<400> 29
tacgagttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg                  48


<210> 30
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<220>
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<400> 30
tgcatgattg cctcgtctta acgg                                            24


<210> 31
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<223> Description of Artificial Sequence:random
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<400> 31
tacgagttga gaccgttaag acgaggcaat catgcatata ttggacgctt tacggacaac 60
atcctgaatg cg                                                       72


<210> 32
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<400> 32
gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg                48


<210> 33
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<400> 33
tctcaactcg ta                                                       12


<210> 34
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<400> 34
tacgagttga gaatcctgaa tgcg                                          24


<210> 35

10

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<400> 35
cgcattcagg at                                                    12


<210> 36
<211> 141
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<400> 36
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attgaagata ctgaagggct t                                          141


<210> 37
<211> 15
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<220>
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<400> 37
taacaataat ccctc                                                 15


<210> 38
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<220>
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<400> 38
atccttatca atatt                                                 15
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<210> 39
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<400> 39
tgagcctcct taactactga ctcatccgcc                                    30


<210> 40
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<400> 40
tgttgacgaa ttaattactt ctcta                                         25


<210> 41
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tataaccctg gataatattt ttcttat                                       27


<210> 42
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12

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<220>
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<400> 43
tctcaactcg taaaaaaaaa aa                                            22


<210> 44
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<220>
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<400> 44
tacgagttga gaatcctgaa tgcg                                         24


<210> 45
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<213> Artificial Sequence

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<400> 45
aaaaaaaaaa cgcattcagg at                                           22


<210> 46
<211> 22
<212> DNA
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13

<220>
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aaaaaaaaaa cgcattcagg at                                          22


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tacgagttga gaatcctgaa tgcg                                        24


<210> 49
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ctacttagat ccgagtgccc acat                                        24

14

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<210> 51
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aaaaaaaaaa aaaaaaaaaa cgcattcagg at                                          32


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cgcattcagg atwwwwwwww wwwwwwwwww ww                                          32


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atcctgaatg cg                                                          12


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atcctgaatg cg                                                          12


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aaaaaaaaaa aaaaaaaaaa                                                  20


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<400> 56
ggattattgt taattattga taaggat                                         27


<210> 57
<211> 12
<212> DNA
<213> Anthrax

<400> 57
taacaatnat cc                                                          12

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<400> 58
atccttatca atatt                                              15


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<400> 59
tctcaactcg ta                                                 12


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<400> 60
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<212> DNA
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<220>
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<400> 61
gcgtaagtcc taacgtacta acggagcaga attgccagag ttgagcat          48
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<400> 62
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agagttgagc at                                                     72


<210> 63
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<220>
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<400> 63
tgcatgattg cctcgtctta acgg                                        24


<210> 64
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<212> DNA
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<220>
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